

$$P = \frac{BR}{N} \times \frac{n_s}{F_s}$$

where BR is the bit rate of said second digital signal, and n_s is the [average] number of samples of said information whose corresponding information in said second signal is included in one frame of said second signal,

if P is an integer, the number of information packets in one frame is P, and

if P is not an integer, the number of information packets in a number [B] v of the frames is P', where P' is the highest integer whose value is less than P; and the number of information packets in a number w of the other frames is P' + 1, the [number B] numbers v and w being selected such that the average frame rate of said second digital signal is substantially equal to F_s/n_s , and that each frame comprises at least a first frame portion including synchronizing information.

30.(twice amended) A transmitter for transmitting wide-band digital information having a sample frequency F_s via a transmission medium, comprising:

an input terminal for receiving said information to be transmitted, in the form of a first digital signal,

an output, and

a signal source, having an input coupled to said input terminal, for generating and supplying to said output a second digital signal which includes said information, said second digital signal comprising consecutive frames, each frame

comprising a plurality of information packets, and each information packet comprising N bits, where $N > 1$, characterized in that, in the formula

$$P = \frac{BR}{N} \times \frac{n_s}{F_s}$$

where BR is the bit rate of said second digital signal, and n_s is the [average] number of samples of said information whose corresponding information in said second signal is included in one frame of said second signal,

if P is an integer, the number of information packets in one frame is P , and

if P is not an integer, the number of information packets in a number $[B]$ v of the frames is P' , where P' is the highest integer whose value is less than P ; and the number of information packets in a number w of the other frames is $P' + 1$, the [number B] numbers v and w being selected such that the average frame rate of said second digital signal is substantially equal to F_s/n_s , and that each frame comprises at least a first frame portion including synchronizing information.

32.(twice amended) A receiver for receiving wide-band digital information having a sample frequency F_s transmitted over a transmission medium, having an output at which said information is provided in the form of a first digital signal, and a decoder for receiving said information in the form of an encoded second digital signal which comprises consecutive

frames, each frame comprising a plurality of information packets, and each information packet comprising N bits, where $N > 1$,

characterized in that, in the formula

$$P = \frac{BR}{N} \times \frac{n_s}{F_s}$$

where BR is the bit rate of said second digital signal, and n_s is the [average] number of samples of said information whose corresponding information in said second signal is included in one frame of said second signal,

if P is an integer, the number of information packets in one frame is P, and

if P is not an integer, the number of information packets in a number [B] v of the frames is P' , where P' is the highest integer whose value is less than P; and the number of information packets in a number w of the other frames is $P' + 1$, the [number B] numbers v and w being selected such that the average frame rate of said second digital signal is substantially equal to F_s/n_s , and that each frame comprises at least a first frame portion including synchronizing information.

REMARKS

Specification

The specification is further amended to eliminate errors inadvertently resulting from the concurrent preliminary